Activity 1

```
C:\Users\Joshua>docker pull ubuntu:16.10
16.10: Pulling from library/ubuntu
dca7be20e546: Pull complete
40bca54f5968: Pull complete
61464f23390e: Pull complete
d99f0bcd5dc8: Pull complete
120db6f90955: Pull complete
Digest: sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Status: Downloaded newer image for ubuntu:16.10
docker.io/library/ubuntu:16.10

C:\Users\Joshua>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
alpine/git    latest    b8f176fa3f0d   3 weeks ago    25.1MB
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB
ubuntu        16.10     7d3f705d307c   3 years ago    107MB

C:\Users\Joshua>dock rmi 7d3f705d307c
'dock' is not recognized as an internal or external command,
operable program or batch file.

C:\Users\Joshua>docker rmi 7d3f705d307c
Untagged: ubuntu:16.10
Untagged: ubuntu@sha256:8dc9652808dc091400d7d5983949043a9f9c7132b15c14814275d25f94bca18a
Deleted: sha256:7d3f705d307c7c225398e04d4c4f8512f64eb8a65959a1fb4514dfde18a047e7
Deleted: sha256:d9db289b9342d9617596cd6ee3bba988629e24d9afa5db4e4b0e4e491c65007d
Deleted: sha256:a87725e8597b97f2399bc3aa50b0e2eec903b8ce19055668d3befb012918205c
Deleted: sha256:38cf10a280152934836695309e9b933d3524360dedc91d3e4d5d7f941da0c973c9
Deleted: sha256:6117296624943026dbd017eec3a9575e37bddf8a269a9f09ecb559d7bfe7fef
Deleted: sha256:57145c01eb80040fdd0a24cde20af4788605b49593188d4f7efab099af89a08e

C:\Users\Joshua>docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
alpine/git    latest    b8f176fa3f0d   3 weeks ago    25.1MB
ubuntu        16.04     9ff95a467e45   3 weeks ago    135MB

C:\Users\Joshua>docker run ubuntu:16.04 /bin/echo 'Hello world!'
'Hello world!'

C:\Users\Joshua>docker ps
CONTAINER ID   IMAGE     COMMAND     CREATED     STATUS     PORTS     NAMES

C:\Users\Joshua>docker ps -a
CONTAINER ID   IMAGE        COMMAND                CREATED          STATUS                     PORTS     NAMES
1b5a36b21ffb   ubuntu:16.04 "/bin/echo 'Hello wo…" 21 seconds ago   Exited (0) 20 seconds ago            flamboyant_bell
3f49f07f0667   alpine/git   "git clone https://g…" 23 minutes ago   Exited (0) 23 minutes ago            repo

C:\Users\Joshua>docker ps -a
CONTAINER ID   IMAGE        COMMAND                CREATED            STATUS                       PORTS     NAMES
1b661b0e8e2b   ubuntu:16.04 "/bin/bash"            20 seconds ago     Exited (0) 19 seconds ago              thirsty_kalam
1b5a36b21ffb   ubuntu:16.04 "/bin/echo 'Hello wo…" About a minute ago Exited (0) About a minute ago          flamboyant_bell
3f49f07f0667   alpine/git   "git clone https://g…" 24 minutes ago     Exited (0) 23 minutes ago              repo

C:\Users\Joshua>docker run -it ubuntu:16.04 /bin/bash
root@426eb288f16c:/# pwd
/
root@426eb288f16c:/# ls
bin  boot  dev  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@426eb288f16c:/# exit
exit

C:\Users\Joshua>docker run -d ubuntu:16.04 /bin/sleep 3600
eb3c6371cfdea0190c6246710ef0cd1867280a40bb75e3317fd2875cbf474999

C:\Users\Joshua>docker ps
CONTAINER ID   IMAGE        COMMAND             CREATED         STATUS         PORTS     NAMES
eb3c6371cfde   ubuntu:16.04 "/bin/sleep 3600"   7 seconds ago   Up 6 seconds             hopeful_wu

C:\Users\Joshua>docker ps -a
CONTAINER ID   IMAGE        COMMAND                CREATED            STATUS                       PORTS     NAMES
eb3c6371cfde   ubuntu:16.04 "/bin/sleep 3600"      31 seconds ago     Up 30 seconds                          hopeful_wu
426eb288f16c   ubuntu:16.04 "/bin/bash"            About a minute ago Exited (0) 55 seconds ago              upbeat_germain
1b661b0e8e2b   ubuntu:16.04 "/bin/bash"            About a minute ago Exited (0) About a minute ago          thirsty_kalam
1b5a36b21ffb   ubuntu:16.04 "/bin/echo 'Hello wo…" 2 minutes ago      Exited (0) 2 minutes ago               flamboyant_bell
3f49f07f0667   alpine/git   "git clone https://g…" 25 minutes ago     Exited (0) 25 minutes ago              repo

C:\Users\Joshua>docker exec -it be7 /bin/bash
Error: No such container: be7

C:\Users\Joshua>docker exec -it eb3 /bin/bash
root@eb3c6371cfde:/# ps aux
USER     PID %CPU %MEM   VSZ   RSS TTY     STAT START   TIME COMMAND
root       1  0.0  0.0  4372   664 ?       Ss   14:54   0:00 /bin/sleep 3600
root       8  0.0  0.0 18240  3284 pts/0   Ss   14:56   0:00 /bin/bash
root      19  0.0  0.0 34420  2856 pts/0   R+   14:57   0:00 ps aux
root@eb3c6371cfde:/# exit
exit

C:\Users\Joshua>docker ps
CONTAINER ID   IMAGE        COMMAND             CREATED         STATUS         PORTS     NAMES
eb3c6371cfde   ubuntu:16.04 "/bin/sleep 3600"   3 minutes ago   Up 3 minutes             hopeful_wu

C:\Users\Joshua>docker stop eb3
eb3

C:\Users\Joshua>docker ps -a
CONTAINER ID   IMAGE        COMMAND                CREATED         STATUS                     PORTS     NAMES
eb3c6371cfde   ubuntu:16.04 "/bin/sleep 3600"      3 minutes ago   Exited (137) 16 seconds ago          hopeful_wu
426eb288f16c   ubuntu:16.04 "/bin/bash"            4 minutes ago   Exited (0) 4 minutes ago             upbeat_germain
1b661b0e8e2b   ubuntu:16.04 "/bin/bash"            5 minutes ago   Exited (0) 5 minutes ago             thirsty_kalam
1b5a36b21ffb   ubuntu:16.04 "/bin/echo 'Hello wo…" 6 minutes ago   Exited (0) 6 minutes ago             flamboyant_bell
3f49f07f0667   alpine/git   "git clone https://g…" 29 minutes ago  Exited (0) 28 minutes ago            repo

C:\Users\Joshua>docker rm eb3
eb3

C:\Users\Joshua>docker run --rm ubuntu:16.04 /bin/echo 'Hello and goodbye!'
'Hello and goodbye!'

C:\Users\Joshua>docker ps -a
CONTAINER ID   IMAGE        COMMAND             CREATED         STATUS         PORTS     NAMES
```